



## Appendix A.2

### Kitchen Appliances



## Mixer

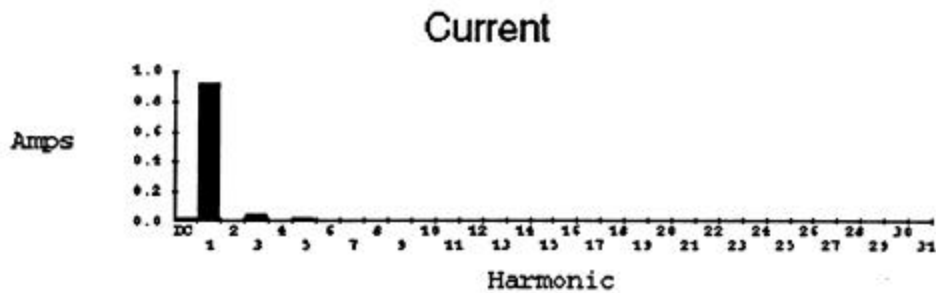
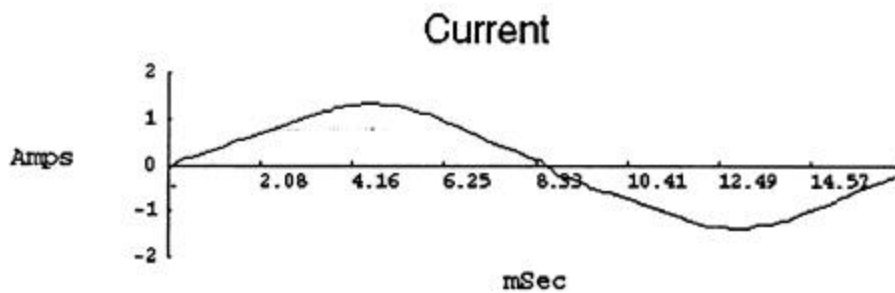
Model - Moulinex Food Processor 130

Ratings - 120V,250W

High Power Setting

Normal Voltage Condition

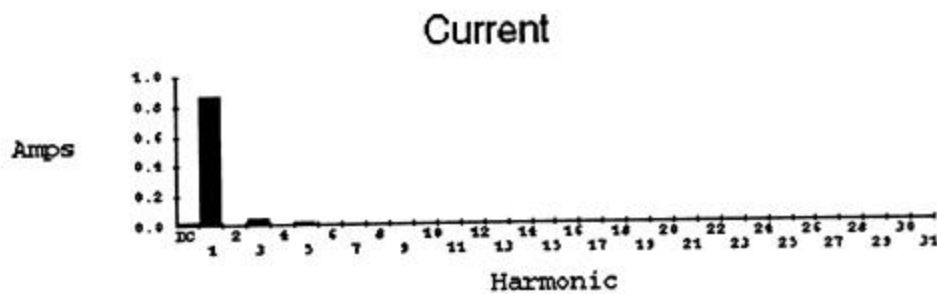
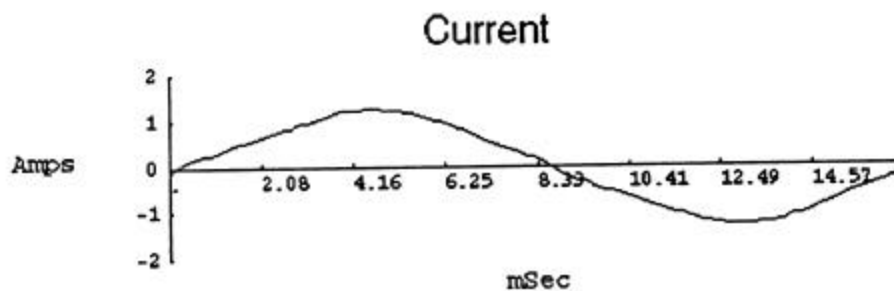
|           |        |           | Voltage | Current |
|-----------|--------|-----------|---------|---------|
| Frequency | 60.04  | RMS       | 119.41  | 0.93    |
| Power     |        | Peak      | 168.73  | 1.40    |
| Watts     | 109.29 | DC Offset | -0.02   | -0.02   |
| VA        | 110.33 | Crest     | 1.41    | 1.51    |
| Vars      | 12.13  | THD Rms   | 1.84    | 6.68    |
| Peak W    | 235.71 | THD Fund  | 1.84    | 6.69    |
| Phase     | 6° lag | HRMS      | 2.20    | 0.06    |
| Total PF  | 0.99   | KFactor   |         | 1.14    |
| DPF       | 0.99   |           |         |         |



**Mixer**  
**Model - Moulinex Food Processor 130**  
**Ratings - 120V, 250W**

High Power Setting  
 Low Voltage Condition

|           |        |           | Voltage | Current |
|-----------|--------|-----------|---------|---------|
| Frequency | 60.04  | RMS       | 107.73  | 0.88    |
| Power     |        | Peak      | 152.34  | 1.32    |
| Watts     | 93.29  | DC Offset | 0.00    | -0.02   |
| VA        | 94.33  | Crest     | 1.41    | 1.51    |
| Vars      | 12.13  | THD Rms   | 1.85    | 6.16    |
| Peak W    | 202.71 | THD Fund  | 1.85    | 6.17    |
| Phase     | 8° lag | HRMS      | 1.99    | 0.05    |
| Total PF  | 0.99   | Kfactor   |         | 1.13    |
| DPF       | 0.99   |           |         |         |



## Mixer

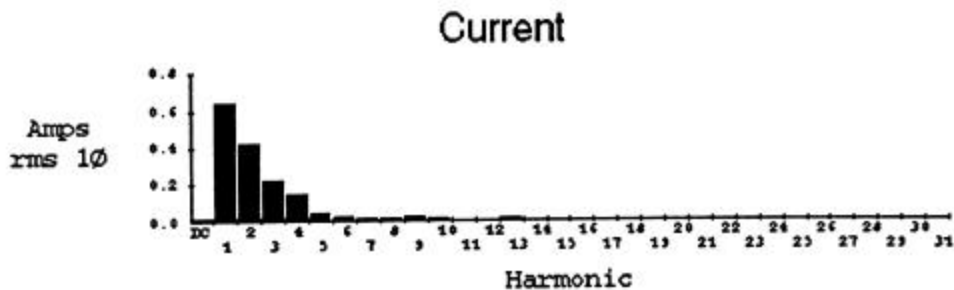
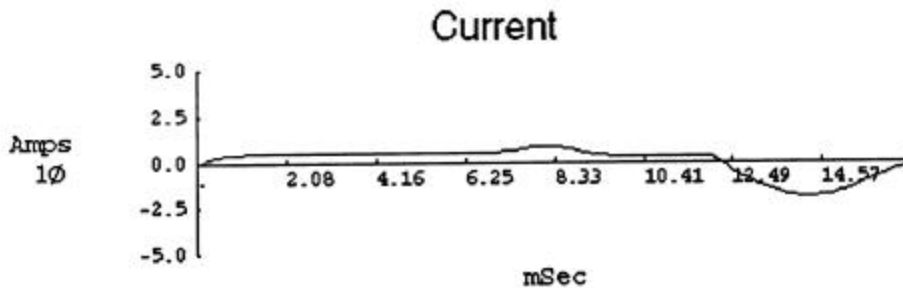
Model - Moulinex Food Processor 130

Ratings - 120V, 250W

Low Power Setting

High Voltage Condition

|           |         |           | Voltage | Current |
|-----------|---------|-----------|---------|---------|
| Frequency | 60.04   | RMS       | 119.81  | 0.81    |
| Power     |         | Peak      | 169.70  | 1.42    |
| Watts     | 58.29   | DC Offset | 0.18    | 0.01    |
| VA        | 97.33   | Crest     | 1.42    | 1.74    |
| Vars      | 50.13   | THD Rms   | 1.90    | 61.17   |
| Peak W    | 273.71  | THD Fund  | 1.90    | 77.33   |
| Phase     | 41° lag | HRMS      | 2.28    | 0.50    |
| Total PF  | 0.60    | KFactor   |         | 3.39    |
| DPF       | 0.76    |           |         |         |



## Mixer

Model - Moulinex Food Processor 130

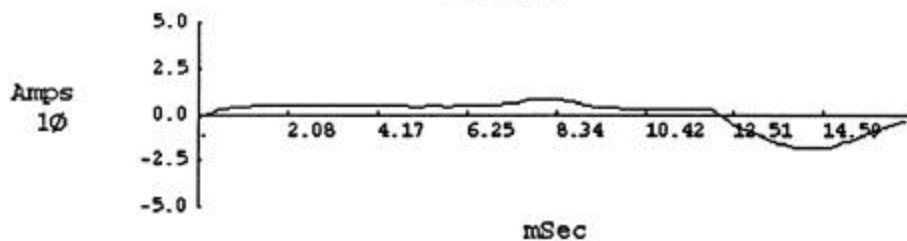
Ratings - 120V, 250W

Low Power Setting

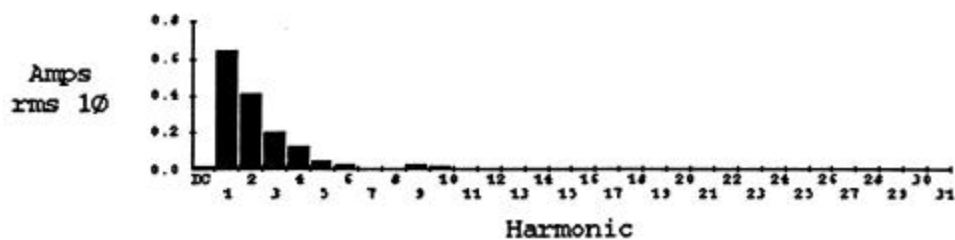
Low Voltage Condition

|           |         |           |         |         |
|-----------|---------|-----------|---------|---------|
| Frequency | 59.98   | RMS       | Voltage | Current |
| Power     |         | Peak      | 108.14  | 0.79    |
| Watts     | 51.29   | DC Offset | 153.23  | 1.35    |
| VA        | 85.33   | Crest     | 0.29    | 0.01    |
| Vars      | 46.13   | THD Rms   | 1.42    | 1.70    |
| Peak W    | 236.71  | THD Fund  | 1.83    | 59.85   |
| Phase     | 42° lag | HRMS      | 1.83    | 74.71   |
| Total PF  | 0.60    | Kfactor   | 1.98    | 0.48    |
| DPF       | 0.74    |           |         | 3.23    |

### Current



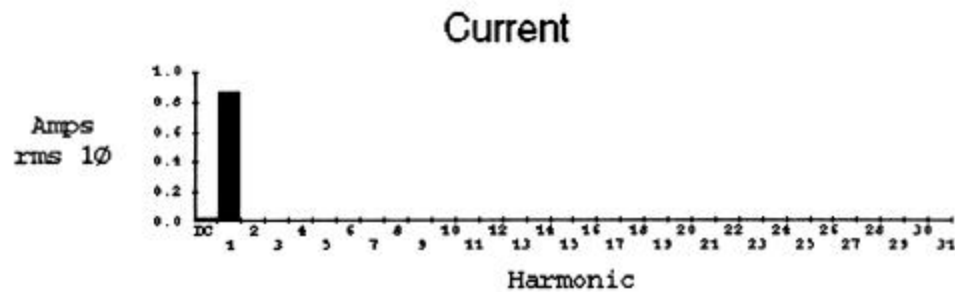
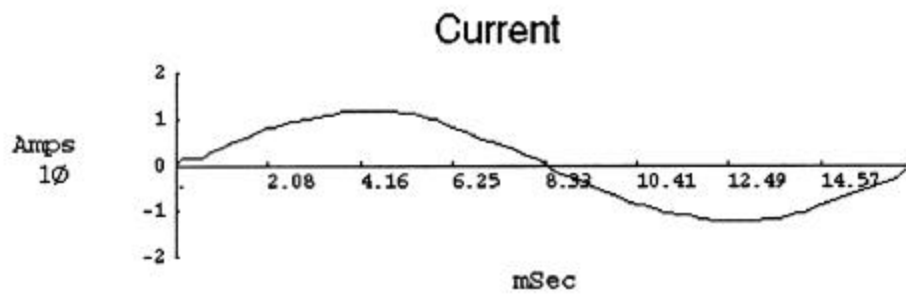
### Current



**Mixer**  
**Model - Kitchen Aid KA5SS**  
**Ratings - 115V, 250W (Yr - 1991)**

Normal Voltage Condition

|           |        |           | Voltage | Current |
|-----------|--------|-----------|---------|---------|
| Frequency | 60.04  | RMS       | 120.05  | 0.86    |
| Power     |        | Peak      | 168.75  | 1.23    |
| Watts     | 103.31 | DC Offset | 0.03    | -0.02   |
| VA        | 103.41 | Crest     | 1.41    | 1.43    |
| Vars      | 3.16   | THD Rms   | 2.05    | 3.48    |
| Peak W    | 212.80 | THD Fund  | 2.05    | 3.48    |
| Phase     | 2° lag | HRMS      | 2.47    | 0.03    |
| Total PF  | 1.00   | KFactor   |         | 1.17    |
| DPF       | 1.00   |           |         |         |



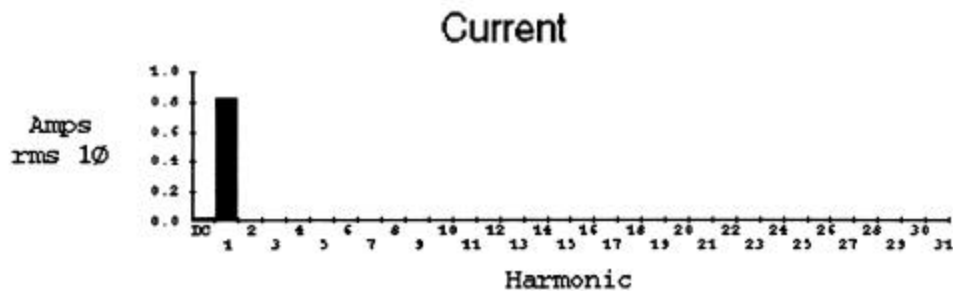
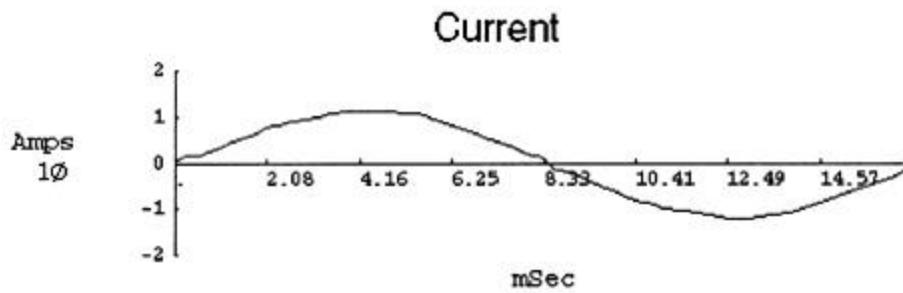
## Mixer

Model - Kitchen Aid KA5SS

Ratings - 115V, 250W (Yr - 1991)

### Low Voltage Condition

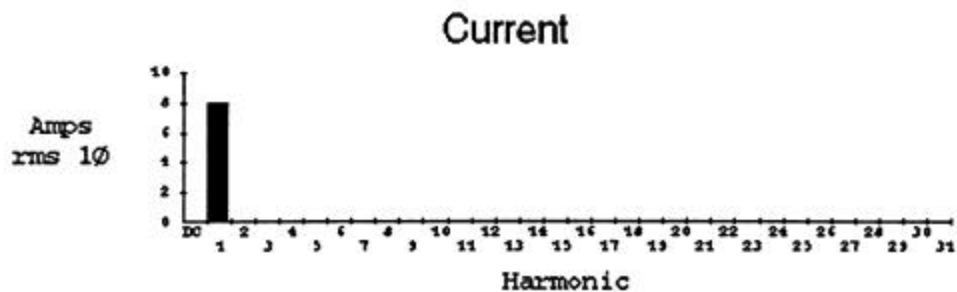
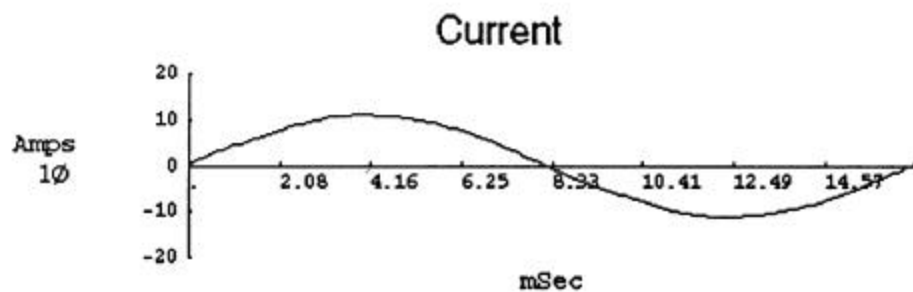
|           |        |           | Voltage | Current |
|-----------|--------|-----------|---------|---------|
| Frequency | 60.04  | RMS       | 108.23  | 0.83    |
| Power     |        | Peak      | 152.05  | 1.19    |
| Watts     | 90.31  | DC Offset | 0.02    | -0.02   |
| VA        | 90.41  | Crest     | 1.4     | 1.42    |
| Vars      | 4.16   | THD Rms   | 2.07    | 3.37    |
| Peak W    | 184.80 | THD Fund  | 2.07    | 3.37    |
| Phase     | 3° lag | HRMS      | 2.24    | 0.03    |
| Total PF  | 1.00   | KFactor   |         | 1.19    |
| DPF       | 1.00   |           |         |         |



**Coffee Maker**  
**Model - Mr. Coffee PRX23**  
**Ratings - 120V, 1025W**

Heating mode  
 Normal Voltage Condition

|           |         |           | Voltage | Current |
|-----------|---------|-----------|---------|---------|
| Frequency | 60.04   | RMS       | 119.58  | 8.01    |
| Power     |         | Peak      | 169.44  | 11.35   |
| KW        | 0.96    | DC Offset | 0.00    | -0.02   |
| KVA       | 0.96    | Crest     | 1.42    | 1.42    |
| KVAR      | 0.03    | THD Rms   | 1.90    | 1.77    |
| Peak KW   | 1.92    | THD Fund  | 1.90    | 1.77    |
| Phase     | 2° lead | HRMS      | 2.27    | 0.14    |
| Total PF  | 1.00    | KFactor   |         | 1.01    |
| DPF       | 1.00    |           |         |         |

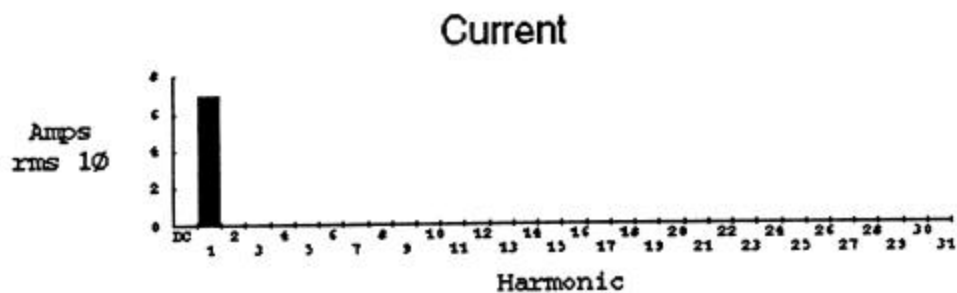
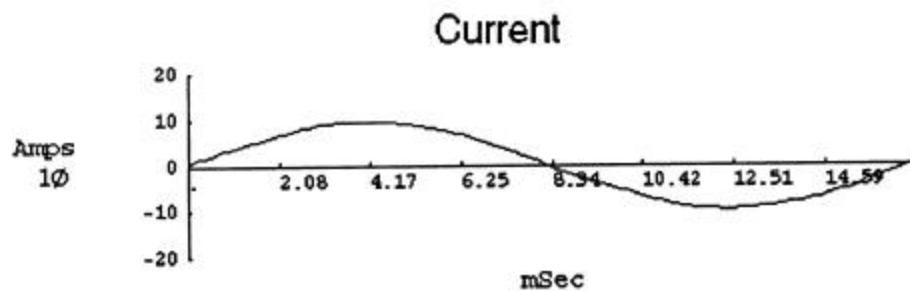




**Coffee Maker**  
**Model - Mr. Coffee PRX23**  
**Ratings - 120V, 1025W**

Heating mode  
 Low Voltage Condition

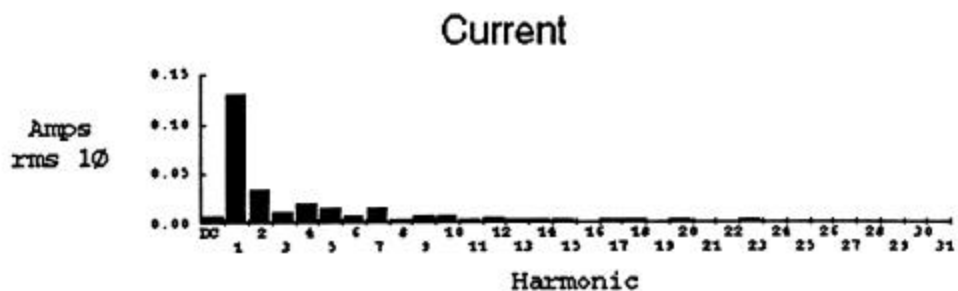
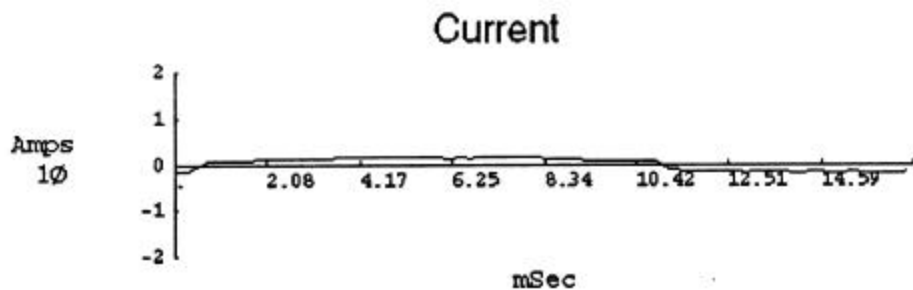
|           |         |           | Voltage | Current |
|-----------|---------|-----------|---------|---------|
| Frequency | 59.98   | RMS       | 105.61  | 6.97    |
| Power     |         | Peak      | 149.52  | 9.86    |
| KW        | 0.74    | DC Offset | 0.08    | -0.02   |
| KVA       | 0.74    | Crest     | 1.42    | 1.42    |
| KVAR      | 0.01    | THD Rms   | 1.85    | 1.77    |
| Peak KW   | 1.48    | THD Fund  | 1.85    | 1.77    |
| Phase     | 1° lead | HRMS      | 1.95    | 0.12    |
| Total PF  | 1.00    | KFactor   |         | 1.01    |
| DPF       | 1.00    |           |         |         |



**Coffee Maker**  
**Model - Mr. Coffee PRX23**  
**Ratings - 120V, 1025W**

Rest mode  
Normal Voltage Condition

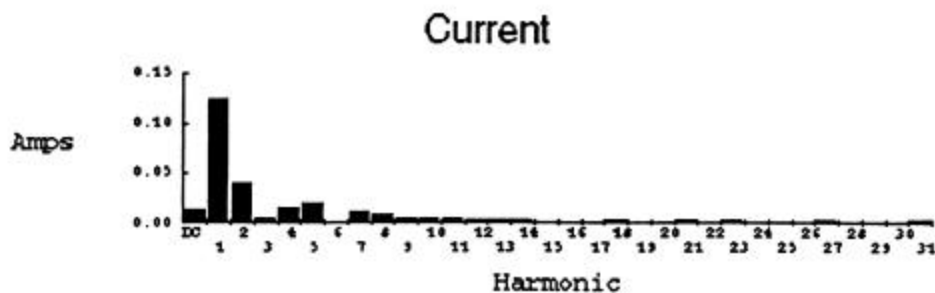
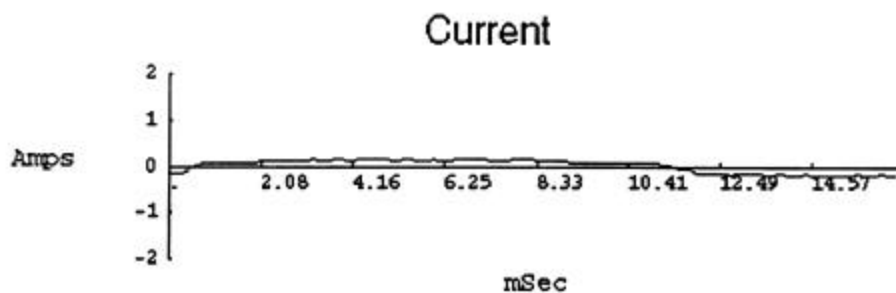
|           |         |           |         |         |
|-----------|---------|-----------|---------|---------|
|           |         |           | Voltage | Current |
| Frequency | 59.98   | RMS       | 120.12  | 0.14    |
| Power     |         | Peak      | 170.00  | 0.17    |
| Watts     | 13.76   | DC Offset | 0.14    | 0.01    |
| VA        | 17.76   | Crest     | 1.42    | 1.22    |
| Vars      | 8.03    | THD Rms   | 1.85    | 35.24   |
| Peak W    | 31.54   | THD Fund  | 1.85    | 37.66   |
| Phase     | 34° lag | HRMS      | 2.22    | 0.05    |
| Total PF  | 0.76    | KFactor   |         | 5.25    |
| DPF       | 0.83    |           |         |         |



**Coffee Maker**  
**Model - Mr. Coffee PRX23**  
**Ratings - 120V, 1025W**

Rest mode  
 Low Voltage Condition

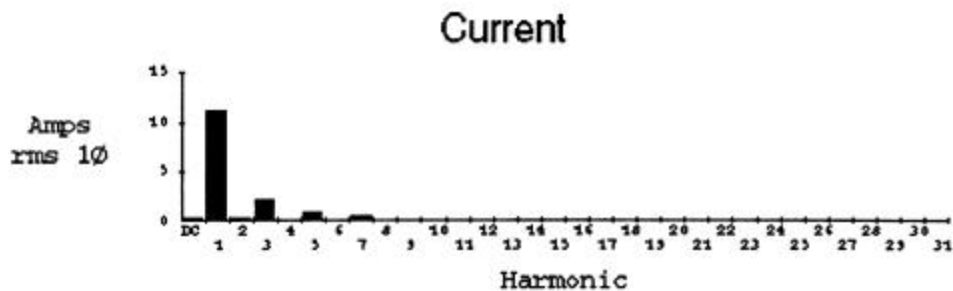
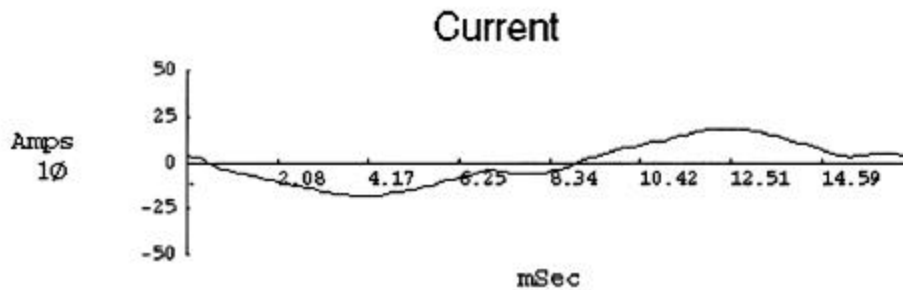
|           |         |           |         |         |
|-----------|---------|-----------|---------|---------|
|           |         |           | Voltage | Current |
| Frequency | 60.04   | RMS       | 107.93  | 0.14    |
| Power     |         | Peak      | 152.78  | 0.18    |
| Watts     | 10.45   | DC Offset | 0.06    | 0.01    |
| VA        | 14.64   | Crest     | 1.42    | 1.28    |
| Vars      | 8.02    | THD Rms   | 1.89    | 38.61   |
| Peak W    | 28.97   | THD Fund  | 1.89    | 41.86   |
| Phase     | 40° lag | HRMS      | 2.04    | 0.05    |
| Total PF  | 0.70    | Kfactor   |         | 5.57    |
| DPF       | 0.77    |           |         |         |



**Microwave oven**  
**Model - Sharp R-3A54**  
**Ratings - 120V, 12 A**

Normal Voltage Condition

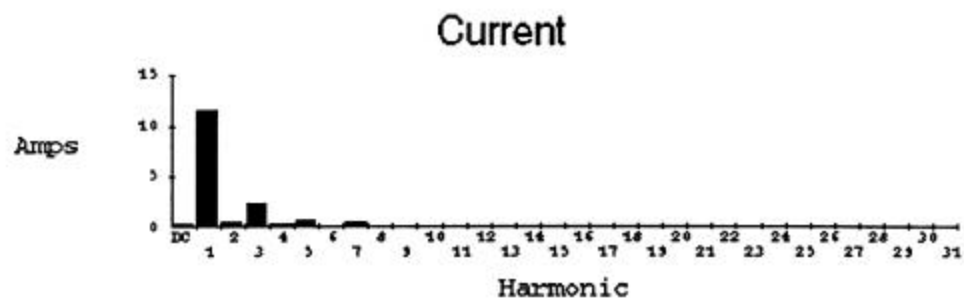
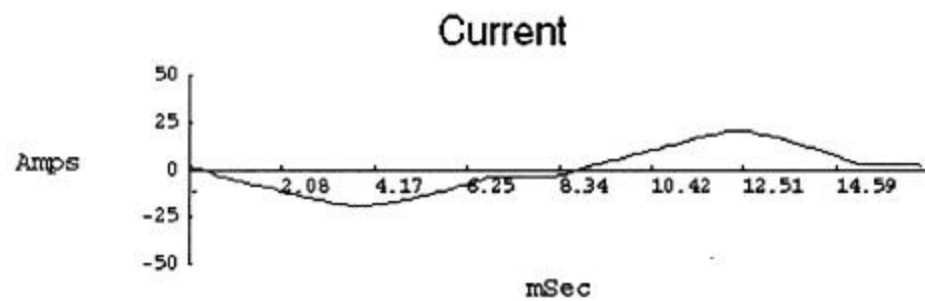
|           |           |           | Voltage | Current |
|-----------|-----------|-----------|---------|---------|
| Frequency | 59.98     | RMS       | 120.48  | 11.41   |
| Power     |           | Peak      | 168.34  | 18.59   |
| KW        | -1.34     | DC Offset | 0.07    | -0.24   |
| KVA       | 1.38      | Crest     | 1.4     | 1.63    |
| KVAR      | 0.05      | THD Rms   | 1.92    | 21.32   |
| Peak KW   | -3.18     | THD Fund  | 1.92    | 21.82   |
| Phase     | 178° lead | HRMS      | 2.32    | 2.43    |
| Total PF  | -0.97     | KFactor   |         | 1.69    |
| DPF       | -1.00     |           |         |         |



**Microwave oven**  
**Model - Sharp R-3A54**  
**Ratings - 120V, 12 A**

**Low Voltage Condition**

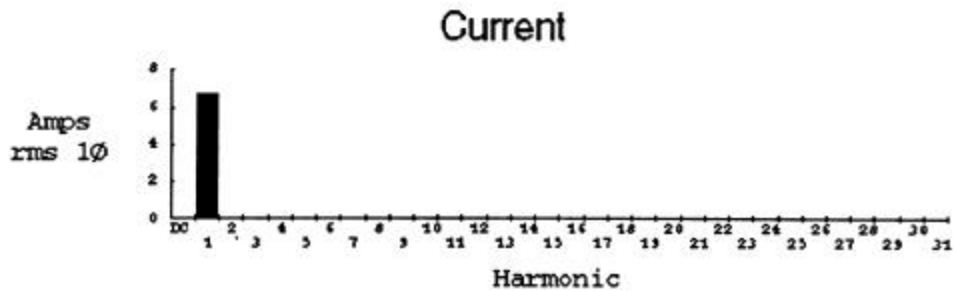
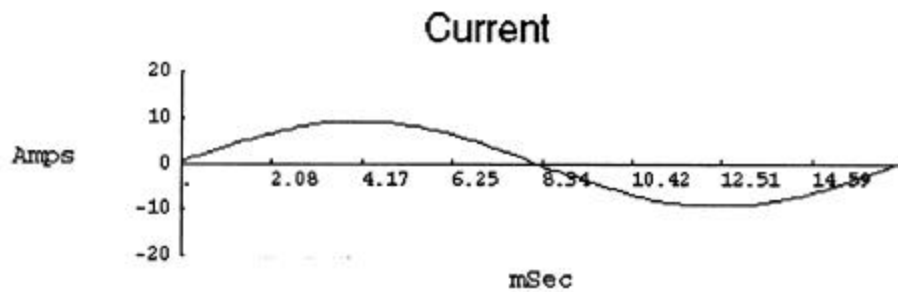
|           |          |           |         |         |
|-----------|----------|-----------|---------|---------|
| Frequency | 59.98    | RMS       | Voltage | Current |
| Power     |          | Peak      | 108.46  | 11.88   |
| KW        | -1.25    | DC Offset | 151.45  | 20.08   |
| KVA       | 1.29     | Crest     | 0.10    | -0.22   |
| KVAR      | 0.05     | THD Rms   | 1.4     | 1.69    |
| Peak KW   | -3.12    | THD Fund  | 1.92    | 21.70   |
| Phase     | 178° lag | HRMS      | 1.92    | 22.23   |
| Total PF  | -0.97    | KFactor   | 2.09    | 2.57    |
| DPF       | -1.00    |           |         | 1.57    |



**Toaster**  
**Model - Black and Decker**  
**Ratings - 120V**

Normal Voltage Condition

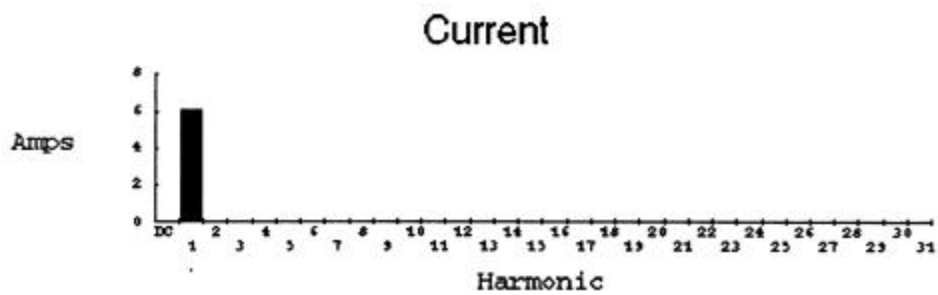
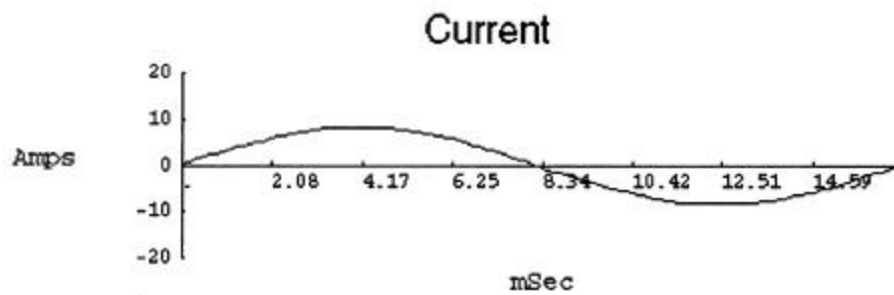
|           |        |           |         |        |         |      |
|-----------|--------|-----------|---------|--------|---------|------|
| Frequency | 59.98  | RMS       | Voltage | 116.79 | Current | 6.74 |
| Power     |        | Peak      |         | 164.37 |         | 9.47 |
| KW        | 0.79   | DC Offset |         | 0.17   |         | 0.03 |
| KVA       | 0.79   | Crest     |         | 1.41   |         | 1.40 |
| KVAR 0.01 |        | THD Rms   |         | 1.26   |         | 1.18 |
| Peak KW   | 1.56   | THD Fund  |         | 1.26   |         | 1.18 |
| Phase     | 2°lead | HRMS      |         | 1.48   |         | 0.08 |
| Total PF  | 1.00   | KFactor   |         |        |         | 1.01 |
| DPF       | 1.00   |           |         |        |         |      |



**Toaster**  
**Model - Black and Decker**  
**Ratings - 120V**

**Low Voltage Condition**

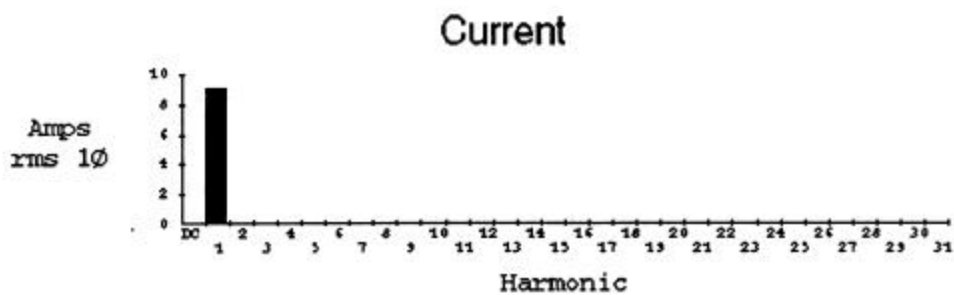
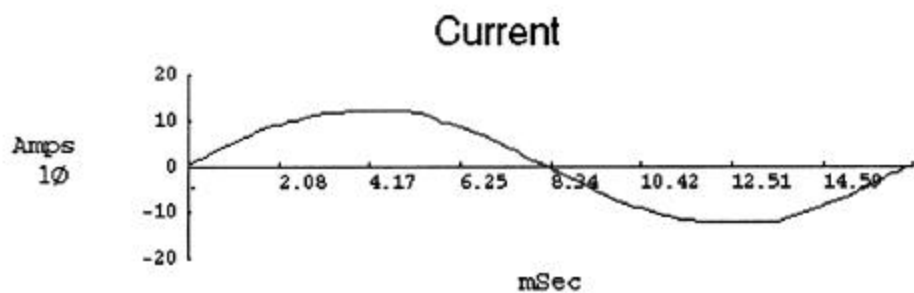
|           |         |           |         |         |
|-----------|---------|-----------|---------|---------|
|           |         |           | Voltage | Current |
| Frequency | 59.98   | RMS       | 104.16  | 6.03    |
| Power     |         | Peak      | 146.66  | 8.47    |
| KW        | 0.63    | DC Offset | 0.13    | -0.02   |
| KVA       | 0.63    | Crest     | 1.41    | 1.40    |
| KVAR      | 0.02    | THD Rms   | 1.27    | 1.22    |
| Peak KW   | 1.24    | THD Fund  | 1.27    | 1.22    |
| Phase     | 2° lead | HRMS      | 1.32    | 0.07    |
| Total PF  | 1.00    | KFactor   |         | 1.01    |
| DPF       | 1.00    |           |         |         |



**Toaster**  
**Model - Proctor Silex**  
**Ratings - 120V**

Normal Voltage Condition

|           |         |           | Voltage | Current |
|-----------|---------|-----------|---------|---------|
| Frequency | 59.96   | RMS       | 120.44  | 9.10    |
| Power     |         | Peak      | 168.94  | 12.66   |
| KW        | 1.10    | DC Offset | 0.13    | -0.02   |
| KVA       | 1.10    | Crest     | 1.4     | 1.39    |
| KVAR      | 0.04    | THD Rms   | 2.56    | 2.46    |
| Peak KW   | 2.14    | THD Fund  | 2.56    | 2.46    |
| Phase     | 2° lead | HRMS      | 3.08    | 0.22    |
| Total PF  | 1.00    | KFactor   |         | 1.03    |
| DPF       | 1.00    |           |         |         |





**Toaster**  
**Model - Proctor Silex**  
**Ratings - 120V**

Low Voltage Condition

|           |         |           | Voltage | Current |
|-----------|---------|-----------|---------|---------|
| Frequency | 59.96   | RMS       | 108.11  | 8.17    |
| Power     |         | Peak      | 151.71  | 11.35   |
| KW        | 0.88    | DC Offset | 0.00    | -0.03   |
| KVA       | 0.88    | Crest     | 1.4     | 1.39    |
| KVAR      | 0.03    | THD Rms   | 2.59    | 2.49    |
| Peak KW   | 1.73    | THD Fund  | 2.59    | 2.49    |
| Phase     | 2° lead | HRMS      | 2.80    | 0.20    |
| Total PF  | 1.00    | KFactor   |         | 1.03    |
| DPF       | 1.00    |           |         |         |

